

Abstract of the Disclosure

The present invention makes it possible to efficiently produce N-methyl transferase that can be utilized as an industrial, food, or medical enzyme. In addition, the present invention makes it possible to modify a caffeine biosynthesis metabolism of caffeine productive plants, plant tissues, or plant cells, thereby efficiently producing caffeine metabolism based compounds. Further, the present invention makes it possible to modify a caffeine biosynthesis metabolism of caffeine productive plants, plant tissues, or plant cells, thereby modifying a production rate of a caffeine metabolism based compound group.